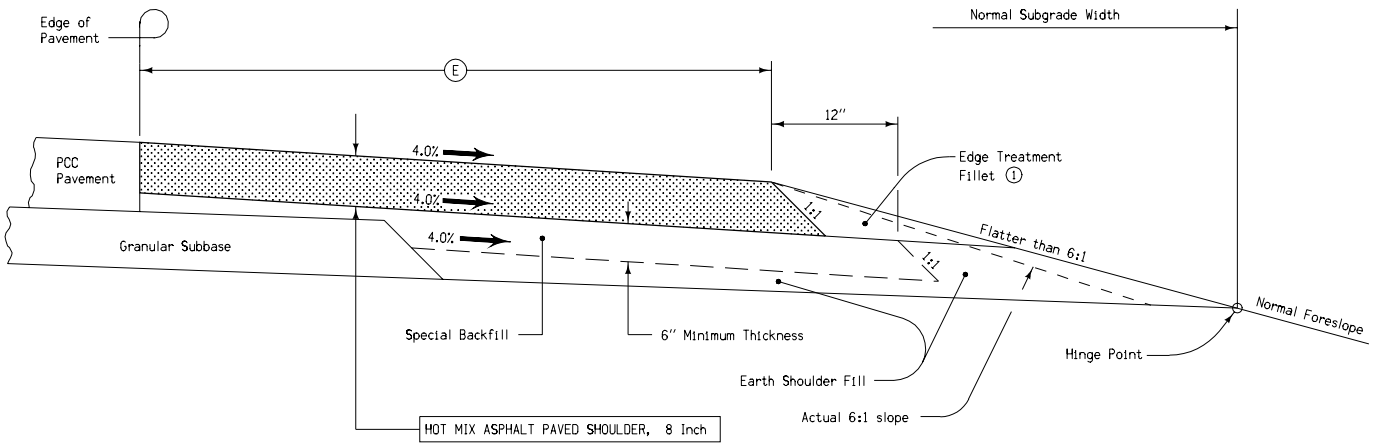


TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER

GENERAL NOTES:

Details indicated hereon illustrate the general requirements for construction of a Hot Mix Asphalt Paved Shoulder.

Any necessary special shaping required in preparation of subgrade grade shall be considered incidental to other work. Any material removed due to special shaping shall be disposed of at the direction of the Engineer.

The subgrade beneath Paved Shoulders shall be constructed in conformance with specifications for Natural Subgrade. "Special Backfill " material shall be paid for as specified in Article 2102.14, paragraph D. Payment shall be based on a uniform 6-inch thickness. The thickness may be exceeded at the contractor's option with no compensation for the additional material.

For rumble strip details, see Standard Road Plan RH-41D.

Rumble strips, special shaping, earth shoulder fill, and furnishing and finishing material for edge treatment fillets are incidental.

(1) Refer to the appropriate Detail Drawing.

(2) Quantities shown are for one shoulder per station. Rates of application may be adjusted at time of construction if so directed by the Engineer.

(3) Quantities shown are based on a design weight of 145 lbs/cu. ft. for Hot Mix Asphalt with an asphalt content of 6.0% utilizing a 3/4" aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements. Asphalt Binder PG58-28 shall be utilized with this mix.

(4) Includes quantity for tack coating vertical face of adjacent pavement prior to placement of any base material. Tack coat estimated at one (1) application at 0.05 gal/sq. yd.

DESIGN QUANTITY TABLE (2)

HOT MIX ASPHALT SHOULDER (3)

| SURFACE AREA Sq. Yds. | | | | HOT MIX ASPHALT Tons | | | | TACK COAT (4) Gallons | | | | ASPHALT BINDER Tons | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E=4.0' | E=6.0' | E=8.0' | E=10.0' | E=4.0' | E=6.0' | E=8.0' | E=10.0' | E=4.0' | E=6.0' | E=8.0' | E=10.0' | E=4.0' | E=6.0' | E=8.0' | E=10.0' |
| 44.444 | 66.666 | 88.889 | 111.11 | 20.945 | 30.608 | 38.685 | 49.946 | 2.91 | 4.02 | 5.00 | 6.24 | 1.26 | 1.84 | 2.34 | 3.00 |

Iowa Department of Transportation
*Highway Division*

**STANDARD ROAD PLAN** | **RH-42**

REVISION: Show flatter than 6:1 slope and actual 6:1 slope.

REVISION NO. 15

REVISION DATE 10-29-02

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

PAVED SHOULDER
8" HOT MIX ASPHALT
(ADJACENT TO PCC PAVEMENT)